



Project No: AFC002001030202
Project: Supplemental RI
Client: AFCEE
Location: Site 24 - Vandenberg AFB
Northing(ft): 2099495.5

Borehole ID: HGL72(24MW21B)
Date: 10/14/2003
Geologist: D. Fortier
Checked By: D. Smith, R.G.
Ground Surface Elevation(ft msl): 460.6
Easting(ft): 5800879.1

SUBSURFACE PROFILE					SAMPLE			Water Level	Remarks
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)		
2		Gravel, sand, and silt	FL	455					
4									
6		Poorly graded sand Pale yellowish brown, slightly moist, loose, medium grained at 7' unit becomes moist, light brown, slightly dense at 11' interbeds of clayey sand (light olive brown, moist, slightly dense, medium grained) at 12' unit becomes pale yellowish brown, slightly moist at 14' unit becomes light brown, moist at 15' unit becomes light olive gray, thin interbeds of sandy clay at 20' unit becomes very moist	SP	440	30	31/32/27	0.0		
8									
10					90	21/30/45	0.8		
12									
14									
16					80	30/26/28	0.9		
18									
20									
22		Clayey sand Light olive gray, very moist, slightly dense, 70% sand / 30% clay	SC	439					
24			SP	437					
26		Poorly graded sand Light olive gray, very moist, slightly dense, medium grained, some thin clayey sand lenses	SC	429	100	39/49/50	2.1		
28									
30		Clayey sand Light olive gray, very moist, dense, medium grained, 70% sand / 30% clay at 30' unit becomes light olive brown, slightly dense	SP	426	100	29/38/40	1.3		
32									
34		Poorly graded sand with clay Pale yellowish brown, moist, slightly dense, medium grained	CL	422	100	19/25/49	0.7		
36									
38		Silty clay Pale olive to grayish green, moist, very stiff, plastic	SW	422					
40						100	49/50 for 2"		
									Insufficient water. Unable to sample groundwater at 20 feet.
									Set temporary well (screen 20 - 30 feet). Collect groundwater sample (HGL72-GW30).

Drilled By: Layne Christensen

Drill Method: Dual Tube Percussion

Drilling Equipment: AP-1000

Sampling Equipment: 2" x 18" CA Mod Split Spoon

HydroGeoLogic, Inc.

4600 Northgate Blvd., Suite 207

Sacramento, CA 95834

(916) 614-8770 FAX (916) 614-8775

Boring Diameter: 10"

Total Depth Drilled: 70'

Sheet: 1 of 2



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Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	
42		Well graded sand Grayish green, slightly moist, slightly dense, fine to coarse grained, trace pebbles	SW	413	100			Set temporary well (screen 39 - 49 feet). Insufficient water to sample.
44		at 40' unit becomes fine to medium grained with 5% pebbles						
46		at 45' unit becomes very moist, pebbles and cobbles up to 1.5"			100	27/50 for 4"	1.2	
48		Sandy gravelly clay Grayish green, moist, very stiff, cobbles to 1" (well rounded)	CL	411				
50			SW	407	100	40/70 for 4"	0.9	
52		Well graded gravelly sand Grayish green, medium to coarse grained						
54		at 52' to 53' interbeds of sandy gravelly clay	GC					
56		Sandy clayey gravel Pale green, moist, dense, pebbles and cobbles of chert (mainly angular)			40	46/50 for 4"	1.4	
58								
60		at 58' increase in interbeds of gravelly sandy clay			80	20/41/49	1.7	
62		at 60' unit becomes grayish green and very moist						
64		at 63' clasts of Monterey chert prominent (to 1.5")						
66					100	36/60 for 2"	1.6	
68		at 70' unit becomes saturated, large clasts of dark weathered Monterey chert						
70				390	100	29/50 for 2"	2.7	Drilled to 70'. Sampled to 71'. Groundwater sample collected (HGL72-GW71).
72								
74								
76								
78								
80								

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